Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A communication terminal apparatus to be connected to a communication network through a control operation using a Point to Point Protocol (PPP), comprising:

a ~~phase information combination~~PPP processing section for ~~combining~~creating, in accordance with RFC 1661, a Link Control Protocol (LCP) information item, an authentication information item, and a Network Control Protocol (NCP) information item regarding the PPP ~~with each other to create data~~based on an authentication policy and a layer 3 protocol type which are previously stored;

a phase information combination section for combining the LCP information item, the authentication information item, and the NCP information item with each other to create data;

an encapsulation section for ~~converting~~encapsulating data ~~created~~combined by the phase information combination section ~~to conform to~~into one frame conforming to a link layer used by the communication network; and

a data transmission section to transmit the data ~~converted~~encapsulated by the encapsulation section via the communication network to a communication apparatus as a destination.

2. (Currently Amended) A communication terminal apparatus to be connected to a communication network using a Point to Point Protocol (PPP), comprising:

a plurality of phase processing sections for executing a plurality of control

processings for the PPP connection in parallel;

a data receiving section for receiving, from a communication partner, data

~~including a plurality of phase information items via the communication network from~~

~~a communication partner~~which has been made by combining a plurality of phase

information items in conformity with RFC 1661 and encapsulating the combined

phase information items into one frame conforming to a link layer used by the

communication network;

a phase information development section for discriminating respective phase

information items in the data received by the data receiving section and transmitting

the respective phase information items to respective one of the phase processing

sections conforming thereto;

a phase information combination section for receiving the phase information

items ~~processed by~~in conformity with RFC 1661 created by respective ones of the

plural phase processing sections and combining the plural phase information items

with each other to create data;

an encapsulation section for ~~converting~~encapsulating data ~~created~~combined

by the phase information combination section to ~~conform~~one frame conforming to the

link layer used by the communication network; and

a data transmission section for transmitting the data ~~converted~~capsulated by

the encapsulation section via the communication network to the communication

partner.

3. (Previously Presented) A communication terminal apparatus according to claim 2, wherein the plurality of phase processing sections include a Line Control Protocol (LCP) phase processing section, an authentication phase processing section, and a Network Control Protocol (NCP) phase processing section.

4. (Cancelled)

5. (Previously Presented) A communication terminal apparatus according to claim 2, wherein the phase information combination section combines an LCP information item, an authentication information item, and an NCP information item with each other.

6. (Previously Presented) A communication terminal apparatus according to claim 3, wherein the phase information combination section combines an LCP information item, an authentication information item, and an NCP information item with each other.

7. (Currently Amended) A network access apparatus to connect a communication terminal apparatus to a communication network using a Point to Point Protocol (PPP), comprising:

a PPP processing section for creating, in accordance with RFC 1661, a Link Control Protocol (LCP) information item, an authentication information item, and a Network Control Protocol (NCP) information item regarding the PPP based on an authentication policy and a layer 3 protocol type which are previously stored;

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a phase information combination section for combining ~~a Link Control Protocol (LCP)~~the LCP information ~~item, an~~item, the authentication information item, and ~~a Network Control Protocol (NCP)~~the NCP information item regarding the PPP with each other to create data;

an encapsulation section for ~~converting~~encapsulating data created by the phase information combination section to ~~conform to~~one frame conforming to a link layer used by the communication network; and

a data transmission section to transmit the data ~~converted~~encapsulated by the encapsulation section to the communication terminal apparatus.

8. (Currently Amended) A network access apparatus to connect a communication terminal apparatus to a communication network using a Point to Point Protocol (PPP), comprising:

a plurality of phase processing sections for executing a plurality of control processings for the PPP connection in parallel;

a data receiving section for receiving, ~~combined data including a plurality of phase information items via the communication terminal apparatus~~from a communication terminal apparatus, data which has been made by combining a plurality of phase information items in conformity with RFC 1661 and encapsulating the combined phase information items into one frame conforming to a link layer used by the communication network;

a phase information development section for discriminating the respective phase information items in the ~~combined~~data received by the receiving section and

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transmitting the respective phase information items to respective one of the phase

processing section conforming thereto;

a phase information combination section for ~~receiving~~combining the phase

information items ~~processed~~conforming to RFC 1661 created by the respective plural

phase processing sections and combining the plural phase information items with

each other;

an encapsulation section for ~~converting~~encapsulating data ~~created~~combined

by the phase information combination section ~~to conform~~into one frame conforming

to the link layer used by the communication network; and

a data transmission section for transmitting the data ~~converted~~encapsulated

by the encapsulation section via the communication network to the communication

terminal apparatus..

9. (Previously Presented) A network access apparatus according to claim 8,

wherein the plurality of phase processing sections include an LCP phase processing

section, an authentication phase processing section, and an NCP phase processing

section.

10. (Cancelled)

11. (Previously Presented) A network access apparatus according to claim 8,

wherein the phase information combination section combines an LCP information

item, an authentication information item, and an NCP information item with each

other.

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12. (Previously Presented) A network access apparatus according to claim 9, wherein the phase information combination section combines an LCP information item, an authentication information item, and an NCP information item with each other.

13. (Currently Amended) A communication method of conducting communication between a communication terminal apparatus and a network access apparatus connected to a communication network using a Point to Point Protocol (PPP), the method comprising:

. by a transmission-side apparatus, creating, in accordance with RFC 1661, a plurality of information items regarding a plurality of control phases for the PPP connection based on an authentication policy and a layer 3 protocol type which are previously stored; and transmitting first data created by combining the plural information items regarding the plurality of control phases and encapsulating the combined information items into one frame conforming to a link layer used by the communication network, via the communication network to a receiving-side apparatus; and

by the receiving-side apparatus, discriminating the respective information items regarding to the respective control phases in the received first data regarding to the plurality of control phases; executing a plurality of control processings corresponding to the respective information items in parallel; and creating second data created by combining information items in conformity with RFC 1661 regarding plural control results of the plurality of control processings and

~~transmitting~~encapsulating the second data into one frame conforming to the link layer used by the communication network to transmit the encapsulated second data via the communication network to the transmission-side apparatus.

14. (New) A communication terminal apparatus according to claim 1, wherein the previously stored authentication policy and the layer 3 protocol type are previously stored in memory of the communication terminal apparatus.

15. (New) A communication terminal apparatus according to claim 1, wherein the authentication policy and the layer 3 protocol type which are previously stored, are previously stored in plural apparatuses distributed in the communication network, including the communication terminal apparatus.

16. (New) A network access apparatus according to claim 7, wherein the previously stored authentication policy and the layer 3 protocol type are previously stored in memory of the network access apparatus.

17. (New) A network access apparatus according to claim 7, wherein the authentication policy and the layer 3 protocol type which are previously stored, are previously stored in plural apparatuses distributed in the communication network, including the network access apparatus.

18. (New) A communication method according to claim 13, wherein the previously stored authentication policy and the layer 3 protocol type are previously stored in memory of the transmission-side apparatus.

19. (New) A communication method according to claim 13, wherein the authentication policy and the layer 3 protocol type which are previously stored, are previously stored in plural apparatuses distributed in the communication network, including the transmission-side apparatus.